

(+) DENOTES LOCATION OF WELL ON 7.5' TOPOGRAPHIC MAP

REFERENCES SCALE: 1"=200'  
 WELL COORDINATES WV STATE PLANE SOUTH ZONE NAD 1927  
 N. 108791.75 E. 1755982.58  
**7.5' LOC.**

**TEE Engineering Company, Inc.**  
 320 Cutlers Hill Court  
 Lexington, KY 40509  
 (859) 263-3350  
 Fax (859) 263-3345

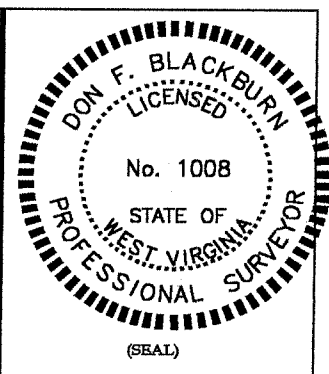
**GeoMet Operating Company, Inc.**  
 Well No. **ROGERS 100-105-174**

FILE NO. 1883-08/2005 WELLS  
 DRAWING NO. WELL ROGERS 174 PLAT  
 SCALE: 1" = 2,000'  
 MIN. DEGREE OF ACCURACY 1 : 2,500  
 PROVEN SOURCE OF ELEVATION  
GPS STATION TEC-1 (ELEV. 2406.60)

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

*Don F. Blackburn*  
 (SIGNATURE)

R.P.E. \_\_\_\_\_ R.P.S. 1008



**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OFFICE OF OIL AND GAS**

DATE FEBRUARY 16, 2005  
 OPERATOR'S WELL NO. ROGERS 100-105-174  
 API WELL NO. 47 - 047 - 02058-C  
 NO. STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_\_\_ GAS X CBM LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS") PRODUCTION X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_

LOCATION: ELEVATION 2,240.87' NORTHING 108791.75 EASTING 1755982.58  
 DISTRICT SANDY RIVER WATER SHED MIDDLE FORK OF BRADSHAW CREEK  
 QUADRANGLE BRADSHAW COUNTY McDOWELL

SURFACE OWNER NANCY WIMMER ACREAGE \_\_\_\_\_  
 CBM ROYALTY OWNER LBR HOLDINGS, LLC LEASE ACREAGE 3,836.13  
 LEASE NO. \_\_\_\_\_ RECORDING IN PROGRESS \_\_\_\_\_

PROPOSED WORK: DRILL X CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR  
 STIMULATE X PLUG OFF OLD FORMATION \_\_\_\_\_ PEFORATE NEW  
 FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_

TARGET FORMATION NEW RIVER AND POCAHONTAS COALS ESTIMATED DEPTH 2,026.87'  
 WELL OPERATOR GEOMET OPERATING COMPANY, INC. DESIGNATED AGENT KERRY HILL  
 ADDRESS 5336 STADIUM TRACE PARKWAY SUITE 206 ADDRESS 330 HARPER PARK DRIVE SUITE A  
BIRMINGHAM, ALABAMA 35244 BECKLEY, WV 25801

APR 22 2005

66(350)

*MS*

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas

Well Operator's Report of Well Work

FARM NAME: Nancy Wimmer

OPERATOR WELL NO.: PC 100-105-174

LOCATION:

Elevation: 2,240.87' Quadrangle: Bradshaw

District: Sandy River County: McDowell

Latitude: 1,591 Feet South of 37 Deg. 20 Min. 00 Sec.

Longitude: 13,691 Feet West of 81 Deg. 50 Min. 00 Sec.

Company: <u>GeoMet Operating Company</u>	Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. Ft.
Address: <u>5336 Stadium Trace Parkway, Suite 206 Birmingham, Alabama 35244</u>	<u>13-3/8"</u>	<u>20'</u>	<u>20'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Bill Hatfield</u>	<u>8-5/8"</u>	<u>804'</u>	<u>804'</u>	<u>181/Pumped 216</u>
Date Permit Issued: <u>April 22, 2005</u>				
Date Well Work Commenced: <u>May 31, 2005</u>	<u>5-1/2</u>	<u>2028'</u>	<u>2028'</u>	<u>351/Pumped 208</u>
Date Well Work Completed: <u>June 10, 2005</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable Rig				
Total Depth (feet): <u>2042'</u>				
Fresh Water Depth (feet): <u>Unknown</u>				
Salt Water Depth (feet): <u>Unknown</u>				
Is coal being mined in area (N/Y)? <u>No</u>				

RECEIVED  
Office of Oil & Gas  
Office of Chief  
JUN 22 2005  
WV Department of  
Environmental Protection

Coal Depths (feet): 824, 834, 944, 1024, 1065, 1167, 1314, 1336, 1347, 1362, 1411, 1473, 1540, 1550, 1584, 1605, 1632, 1675, 1676, 1697, 1745, 1782, 1792, 1896, 1940, 1943

OPEN FLOW DATA

Producing formation All Zones Commingled Pay zone depth (ft) \_\_\_\_\_  
 Gas: Initial Open Flow 140 MCF/d Oil: Initial Open Flow \_\_\_\_\_ Bbl/d  
 Final Open Flow N/A MCF/d Final Open Flow \_\_\_\_\_ Bbl/d  
 Time of Open Flow between initial and final tests N/A Hours  
 Static Rock Pressure 170 psig (surface pressure) after 96 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

SIGNED: \_\_\_\_\_  
 BY: Kellen Rye  
 DATE: June 15, 2005

*McDow 205205*

SEP 02 2005

SEP 02 2005

DRILL DATA HOLE-NOAH HORN WELL DRILLING, INC

COMPANY: GEOMET

HOLE #: 174

LOCATION: COMPTON MTN

DRILL RIG #: 76

DATE STARTED: 05-31-05

DATED COMPLETED: 06-03-05

ELECTRIC LOGGED: YES

GROUTED: YES

DEPTH	THICKNESS	STRATA	REMARKS
FROM	TO	FT	DESCRIPTION, VOIDS ETC
0	12	12	OVERBURDEN
12	60	48	SANDY SHALE 20' W/ 13 3/8" CASING
60	90	30	SANDY SHALE / COAL
90	120	30	SANDY SHALE
120	150	30	SANDY SHALE / COAL
150	210	60	SAND STONE
210	240	30	SAND / SHALE / COAL
240	270	30	SANDY SHALE
270	300	30	SAND
300	390	90	SAND / SHALE / COAL
390	420	30	SANDY / SHALE / COAL
420	510	90	SAND / SHALE / COAL
510	540	30	SAND
540	570	30	SAND / SHALE / COAL
570	600	30	SAND
600	630	30	SAND / SHALE / COAL
630	660	30	SAND
660	690	30	SANDY SHALE
690	750	60	SAND / SHALE / COAL
750	810	60	SANDY SHALE
			803.83' W/ 8 5/8" CASING
810	825	15	SAND / SHALE / COAL
825	855	30	SAND / SHALE / COAL
855	870	15	SANDY SHALE
870	900	30	SAND
900	930	30	SANDY SHALE
930	960	30	SAND / SHALE / COAL
960	990	30	SANDY SHALE
990	1020	30	SAND / SHALE / COAL
1020	1050	30	SANDY SHALE
1050	1080	30	SAND / SHALE / COAL
1080	1110	30	SAND
1110	1140	30	SANDY SHALE
1140	1170	30	SAND
1170	1200	30	SANDY SHALE
1200	1230	30	SAND / SHALE / COAL
1230	1290	60	SAND
1290	1350	60	SAND / SHALE / COAL
1350	1380	30	SANDY SHALE
1380	1410	30	SAND / COAL / SANDY SHALE
1410	1440	30	SANDY SHALE / SAND
1440	1500	60	SAND / SHALE / COAL

1500	1530	30	SANDY SHALE
1530	1560	30	SAND
1560	1590	30	SAND / SHALE / COAL
1590	1620	30	SANDY SHALE
1620	1650	30	SANDY SHALE
1650	1680	30	SANDY SHALE / COAL
1680	1710	30	SAND STONE
1710	1740	30	SAND STONE / COAL
1740	1770	30	SANDY SHALE
1770	1800	30	SANDY SHALE / SAND STONE
1800	1860	60	SAND STONE
1860	1890	30	SAND STONE / SANDY SHALE
1890	1920	30	SANDY SHALE
1920	1950	30	SANDY SHALE / SAND STONE
1950	2040	90	SAND STONE

2027.73' W/ 5 1/2" CASING

2040.00 FT. TOTAL DEPTH  
 20.00 FT. OF 13 3/8" CASING  
 803.83 FT. OF 8 5/8" CASING  
 2027.73 FT. OF 5 1/2" CASING

Mc Dow 2052

SEP 02 2005  
 SEP 02 2005

**GeoMet Operating Company, Inc.**  
**Perforation and Frac Volume Specification**

Well Name    Rogers 174

PBTD

2035'

**Zone and Perforation Table**

Frac Stage 1 Interval	1781-1782		Ball Out Yes	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
	1790	1792				
N2 Scf	228,000		1795-1797	1895-1897 Ball out  Bridge Plug 1765'	20,000	22,500
Acid	250					
Gel Volume	7,326					
ISIP	1470'					
ATP	2,480					
AIR	34	BPM				
Stage 2 Interval	1,745	1747				
N2 Scf	224,000		Ball Out NO Bridge Plug			
Acid	250					
Gel Volume	4,508					
ISIP	3,500					
ATP	3,175					
AIR	25	BPM				
Stage 3 Interval	1,674	1676				
N2 Scf	184,000		1696-1698  Ball Out Bridge Plug    1650'			
Acid	500					
Gel Volume	4,049					
ISIP	1,185					
ATP	2,647					
AIR	25	BPM				
Stage 4 Interval	1,539	1541				
N2 Scf	289,000		1549-1551    1584-1586 1604-1606  Ball Out Bridge Plug 1500'			
Acid	500					
Gel Volume	7,235					
ISIP	1,225					
ATP	2,709					
AIR	31.5	BPM				
Stage 5 Interval	1,410	1412				
N2 Scf	232,000		1471-1473  Ball Out Bridge Plug 1390'			
Acid	500					
Gel Volume	6,542					
ISIP	1,267					
ATP	2,787					
AIR	30 1/2	BPM				

Well Name Rogers 174

PBTD

2035'

**Zone and Perforation Table**

Stage Interval	1,314	1,316	Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 6 Interval						
N2 Scf	247,000		1335-1337	1347-1349	30,000	31,400
Acid	500			1361-1363		
Gel Volume	7,284			Ball Out		
ISIP	1,259			Bridge Plug		
ATP	2,295			1100'		
AIR	35 1/2	BPM				
Stage 7 Interval	943	944			15,000	16,000
N2 Scf	173,000		1022-1024	1064-1066		
Acid	500					
Gel Volume	5,256			Ball Out		
ISIP	1,989					
ATP	2,728			No Bridge Plug		
AIR	32	BPM				
Stage 8 Interval						
N2 Scf						
Acid						
Gel Volume						
ISIP						
ATP						
AIR		BPM				
Stage 9 Interval						
N2 Scf						
Acid						
Gel Volume						
ISIP						
ATP						
AIR		BPM				
Stage 10 Interval						
N2 Scf						
Acid						
Gel Volume						
ISIP						
ATP						
AIR						

McDow 2058